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TITLE: QUICK BLOT SELECTIVE MESSENGER RNA OR DNA IMMOBILIZATION FROM WHOLE CELLS.

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AB Quick-blot, a method for selectively immobilizing either mRNA or DNA on nitrocellulose, is described in detail. Essential elements of the procedure for immobilizing DNA include tissue lysis, **proteinase K** treatment, solubilization of nucleic acids in hot 12.2 molal NaI, passage through a nitrocellulose filter and **acetylation** of residual protein with acetic anhydride. Advantages include speed, quantitative recovery, low background and elimination of the usual baking step. Essential elements of the procedure for selectively immobilizing mRNA include dissolving cells in Brij-35 and desoxycholate, **proteinase K** treatment, solubilizing nucleic acids in room temperature 12.2 molal NaI, filtration through nitrocellulose and **acetylation** of residual protein. Advantages include selective immobilization of mRNA but not tRNA, rRNA or DNA, and the maintenance of biological activity of the immobilized mRNA. Control experiments to optimize the procedure

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FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:25:49 ON 02 JUN 2003
L1 8774 S PROTEINASE K
L2 46 S L1 AND (ACYLATION OR ACETYLATION)